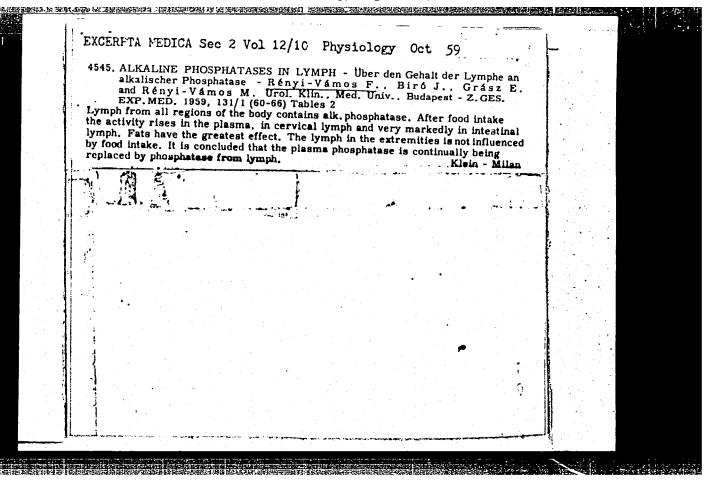
RENYI-VAMOS, F.

Lymphatic circulation in testis and epididymis. Acta med. hung. Suppl. 6 no.1:38-41 1954.

在4 FB 的复数性性性的现在分词形式,它们们已经是这些不是不是不是一种的一种。

1. Urologische Klinik der Medizinischen Universitat, Pecs.

(LYMPHATIC VESSEIS
testes & epididymis)
(TESTES, anat. & histology
lymphatic vessels)
(EPIDIDYMIS, anat. & histology
lymphatic vessles)



RENYI-VAMOS, F.; MAGASI, P.; MATYUS, E.

Histamine content of hydronephrotic kidneys and its significance

Histamine content of hydronephrotic kidneys and its significance for pathophysiology of the disease. Acta med. hung. 6 no.1-2: 1-11 1954.

1. Urologische Klinik der Medizinischen Universitat, Budapest.

(HYDRONEPHROSIS, exper.

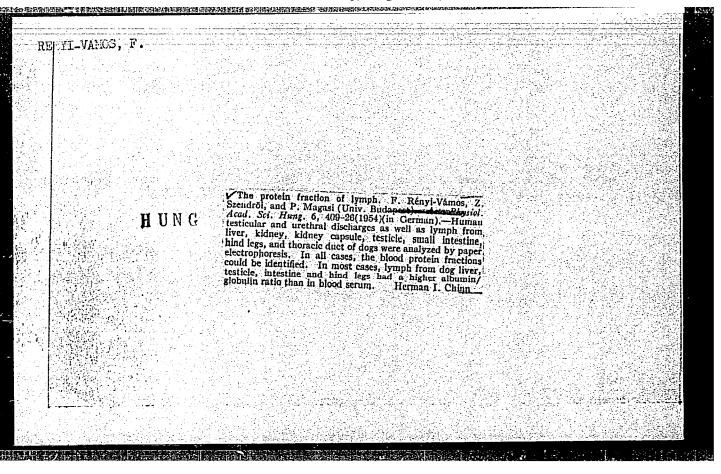
eff. on renal histamine content in rabbits)

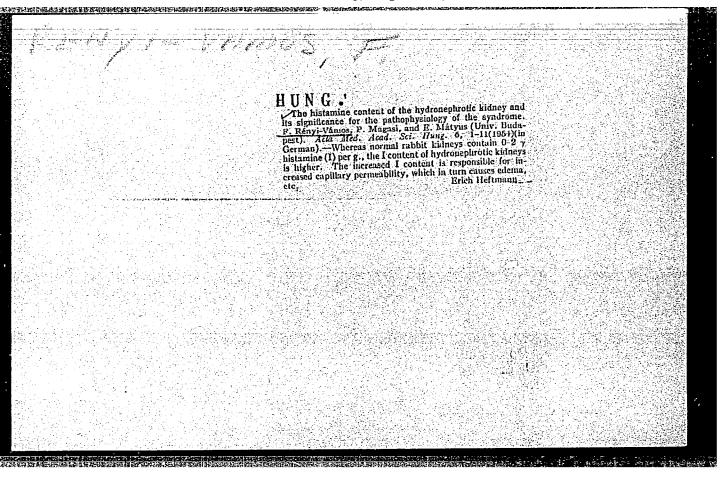
(HISTAMINE, metab.

kidneys in exper. hydronephrosis in rabbits)

(KIDNEYS, metab.

histamine in exper. hydronephrosis in rabbits)





RENYI-VAMOS, F.; SZENDROI, Z.; MAGASI,P.

是这种的人,我们也是是一个人,我们也是一个人,我们也是一个人,我们也是一个人,我们也是一个人,我们也是一个人,我们也是一个人,我们也是一个人,我们也是一个人,我

Protein fractions in the lymph. Acta physicl. hung. 6 no.4:409-426 1954.

1. Urologische Klinik der Medizinischen Universitat, Budapest (PROTEINS

fractions in lymph, comparison with blood protein fractions, electrophoresis)

(LYMPH

protein fractions, comparison with blood protein fractions, electrophoresis)

(BLOOD PROTEINS

fractions, comparison with lymph protein fractions, electrophoresis)

(ELECTROPHORESIS

of lymphprotein fractions, comparison with blood protein fractions)

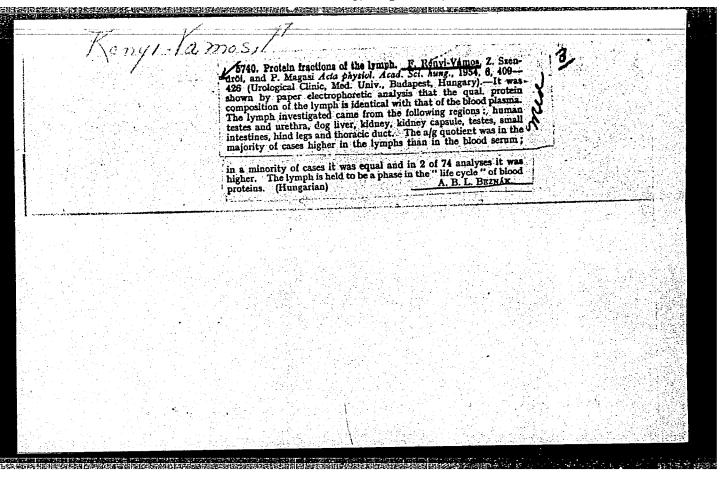
RENYI-VANOS, F.; SZINAY, Gy.

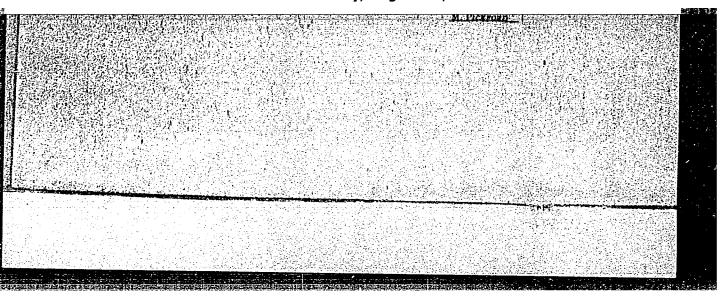
The lymphatic system of the stomach in ulcus ventriculi. Acta morph. hung. 4 no.3:353-365 1954.

1. Urologische Klinik (Vorstand: Prof. A.Rabics) und II. Institut fur Pathologische Anatomie (Vorstand: Prof. L.Haranghy) der Medizinischen Universitat, Budapest.

(LYMPHATIC VESSRIS, in various dis. peptic ulcer)

(PEPTIC ULCER, pathol. gastric lymphatic vessels)





The lymphatic vascular system of the gallbladder and its pathological significance. Acta med. hung. 10 no.3:295-308

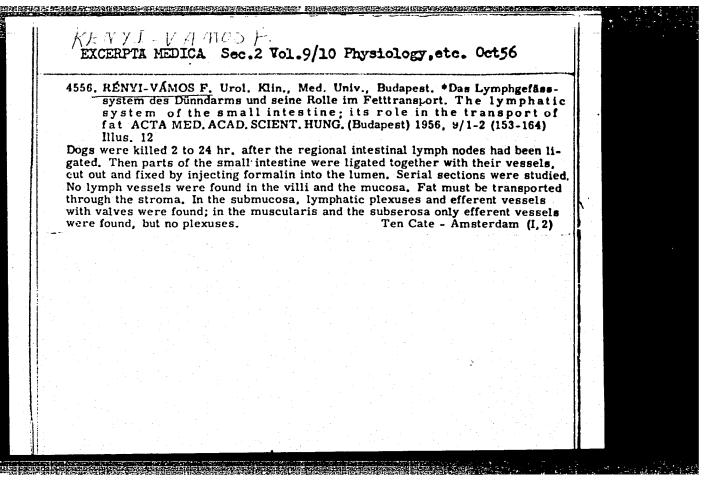
1. Urologische Klinik und II. Institut für Pathologische Anatomie der Medizinschen Universität, Budapest.

(GALLBLADDER

1957.

lymphatic vessels in cats, demonstration methods & histol. changes in various pathol. cond. (Ger))

(LYMPHATIC VESSKIS of gallbladder in cats, demonstration methods & histol. changes in various pathol. cond. (Ger))



RENYI-VAMOS, Ferenc; Jellinek, Harry

Lymphatic system of the gall bladder and its pathological significance. Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 8 no.1-2:107-110 1957.

1. A Budapesti Orvostudomanyi Egyetem Urologiai Klinikaja es II. Korbonctani Intezete.

(LYMPHATIC VESSELS

THE THE PROPERTY IS AND ADDRESS OF THE PROPERTY OF THE PROPERT

of gall bladder in cats, pathol. significance (Hun)) (GALL BLADDER, anat. & histol. lymphatic vessels in cats, pathol. significance (Hun))

### RENYI-VAMOS, Ferenc

Problems of lymphatic research. Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 6 no.2:155-164 1955.

1. A Budapesti Orvostudomanyi Egyetem Urologiai Klinikaja.
(LYMPHATIC VESSELS
capillaries. (Hun))

RENYI-VAMOS, Ference dr., I. Kiserleti resz.; MAGASI, Peter, dr.,
II. Klinikai resz.; BABICS, Antal, dr.

Experiences with a Hungarian made hemostatic and absorbable cotton wool in transvesical prostatectomy. Orv. hetil. 97 no.10:265-267

4 March 56.

1. A Budapesti Orvostudomanyi Egyetem Urologiai Klinikajanak
(igazgato: Babics, Antal dr. egyet. tanar) kozlemenye.

(HONOSTASIS)

oxidized cellulose in transvesical prostatectomy, use & value. (Hun))

(PROSTATE, surg.
transvesical, hemostasis with oxidized cellulose, use & value. (Hun))

RENYU-VAMOS FERENC, Dr.; RONA GYORGY, Dr.

A . COMPANY IN THE PROPERTY OF THE PROPERTY OF

Lymphatic vessels of the tube and their pathological significance. Magy. noorv. lap. 20 no.3: 149-153 July 57.

1. A Budapesti Orvostudomanyi Egyetem Urologiai Klinikajanak (igasgato: (Babics Antal dr. egyet tanar) es az I. sz. Korbonctani es Rakkutato Intezet (Igazgato: Balo Jozsef dr. egyet. tanar) kozlemenye. (FALIOPIAN TUBES, anat. & histol.

lymphatic vessels, histol. demonstration & pathol. significance (Hun))
(LYMPHATIC VESSELS, anat. & histol. Fallopian tubes, histol. demonstration & pathol. significance (Hun))

Ferenc BABICS, Antal, dr.; FOLDI, Mihaly, dr.; RENYI-VAMOS, Ferenc, dr; ROMHANYI, Gyorgy, dr.; RUSZNYAK, Istvan, dr. SZABO, Gyorgy, dr. The significance of the lymphatic system of the liver in choledochal stenosis and cholangitis. Magy belorv. arch. 7 no.3:86-91 June 54. 1. A Budapesti Orvostudomanyi Egyetem I. sz. Belklinika janak (igazgato: dr. Rusznyak Istvan egyetemi tanar) Urologiai Klinikajanak (igazgato: dr. Babics Antal egyetemi tanar) es. a Pecsi Orvostudomanyi Egyetem Korbonctani Intezetenek (igazgato: dr. Romhanyi Gyorgy egyetemi tanar) kozlemenye. (BILE DUCT, COMMON, stenosis, liver lymphatic system in) (CHOLANGITIS, physiology, liver lymphatic system) lymphatic system in cholangitis & choledochal stenosis) (LYMPHATIC SYSTEM. liver, in cholagnitis & choledochal stenosis)

Reryi-Vamos, Farence
BABIOS, Antal, dr.; FOLDI, Haly, M., dr. RENYI-VAMOS, Farenc, dr.; ROMHANYI,
Gyorgy, dr. RUSZNYAK, Istvan, dr. SZABO, Gyorgy, dr.

AND FRANCES AS AND STREET, STANDARD STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, ST

Disse's spaces and the lymphatic system of the liver. Magy. belorv. arch. 7 no.1:7-10 Feb 54.

1. A Budapesto Orvostudomanyi Egyetem I. sz Belklinikajanak (Igazgato: Rusznyak Istvan dr. egyetemi tanat), Urologiai Klinikajanak (Igazgato: Babics Antal dr. egyetemi tanar) es a Pecsi Orvostudomanyi Egyetem Korbonctani Intezetenek (Igazgato: Romhanyi Gyorgy dr. egyetemi tanar) kozlemenye.

(LIVER, anat. & histol.

Disses's spaces & lymphatic system)
(LYMPHATIC SYSTEM

liver)

MENYI-VANCO, F. 1949
(Climic for Surgical Urel. U. of Budapest)

"The Effects of Drugs on Renal Pelvic Pressure Conditions."

Acta Urological, Budapest, 1949 3/1-2(43-46) Abst: Exc. Ned. 11, Vol. 111, No. 1, p. 98

TRYI-YAMOS, F. 1949

"Modification(shunt) of the Renal Circulation Following Experimental Injection and Occlusion of the Renal Pelvis. Preliminary Communication."

Orvosi Hetilap, Budapest 1949 90/10(318-319) Abst: Exc. Med. V. Vol. 11, No. 12, p. 934

MEMYI-VAMOS, F. 1948 (Urol. Clinic of J. of Budapest)

"Charges in the Musculature of the Renal Calyces and their Significance in Pelvic Obstruction."

Acta Urologica, Budapest, 1948 2/5(6) (143-144) Abst: Exc. Ned. V. Vol. 11, No. 9, p. 693

WENEL-VENOS, F. 19:1

(A Budapesti Orvostudonanyi Egyetem Urologiai Klinikaja.)

"Factors Promoting the Renal Lymph Circulation."

Fiserl Cryostud. 19:1 3/3(189-191)
Abst: Exc. Ned. 11, Vol. 5, No. 3, p. 350

See with the particular process and the process of the particular process of the particular particu

HENYI-VAMOS, F. 1948

(Urclegy Clinic, U. of Budapest)

"Hydromechanism of the Renal Cavity System."

Acta Urologica, 1948 2/3-4(106-110)

Abst: Exc. Ned. 11, Vol. 11, No. 3, p. 340

When does Urological Disease Cause High Blood Pressure?"

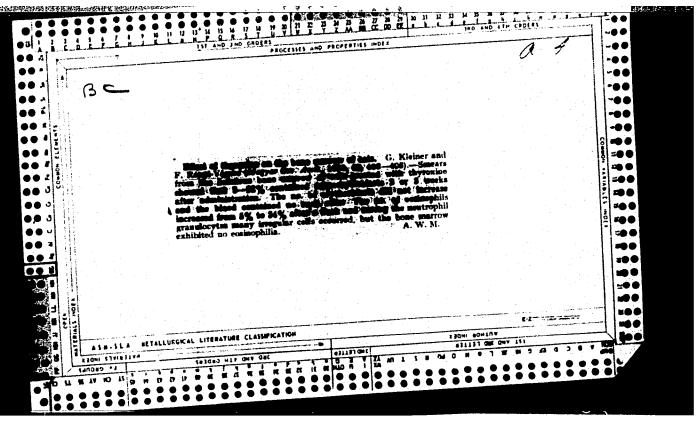
Acta Urologica, Budapest, 1948. 2/3-4(124-131) Abst: Erc. Med. V. Vol. 11, No. 3, p. 225

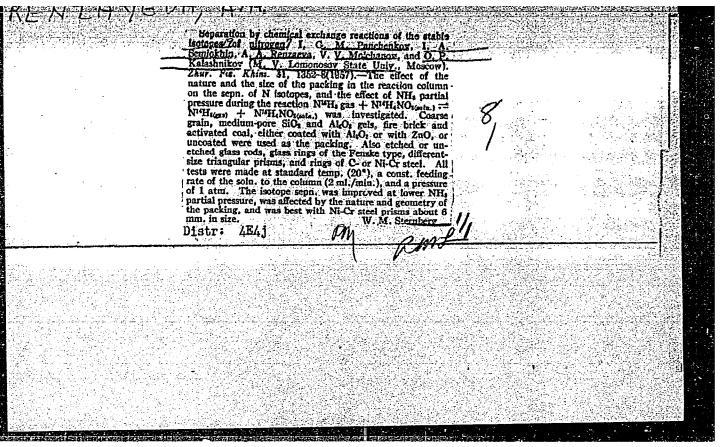
F. REMYI-VAHOS, G. ROMA

"Lymph vessels of the kidne; in acute and subscute glomeruloneparitis." P. 421 (ACTA MORPHOLOGICA ACADEMIAE SCIENTIARUM HUNGARICAE, Vol. 2, no. 4, 1952, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2 No. 7, July 1953, Uncl.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444





RETURNITY, G.F.: Methods of teaching the subject 'Electric current in a vacuum and in gazes' in the course in physics in the children's class of a second my school". Moscow, 1955. Non Education. RSPSR. Moscow Oblast Pedagogical Inst. (Dissertations for the Degree of Candidate of Fedagogical Sciences).

S0: Knizhnava lotocis' No 45, 5 November 1955. Moscow.

(Assembly-line methods) (Machinery industry)		determining	ssembly-line organize their application.	11 444	(MIRA	16:6)	
		(As	sembly-line methods	(Machinery	industry)		
		•					

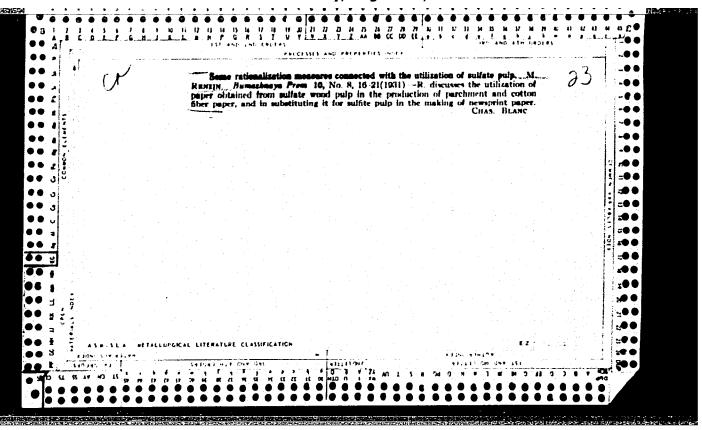
RENZHIN, V.I., inzh.

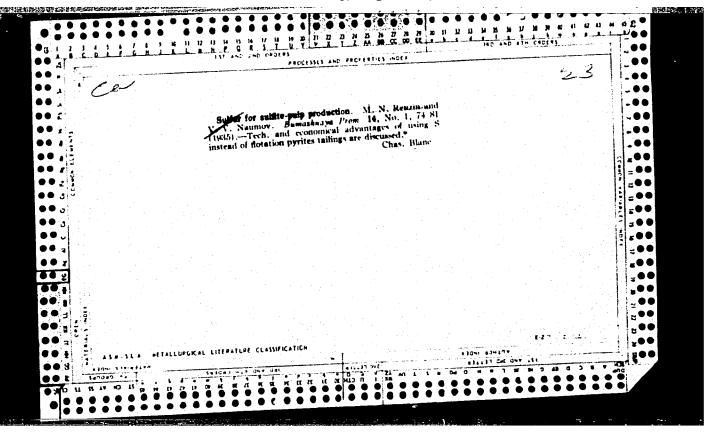
Overcoming shortcomings in construction under winter conditions in the East. Stroi. trubonrov. 5 no.8:9-11 Ag '60. (MIRA 13:9) (Siberia--Pipelines--Cold weather conditions)

RENZHIN, V.I., inzhener.

Nomogram for calculating coefficients of filtration and flow in boreholes according according to experimental pumping data. Rats. i izobr. predl. v stroi. no.129:18-21 '56. (MLRA 9:9) (Boring) (Soil percolation)

REZNIKOV, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic REZNIKOV, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic REZNIKOV, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic volcanogenic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic Reznikov, A. F. "Spilito-Keratophyric Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic Reznikov, A. F. "Spilito-Keratophyric rocks of the Lover Jurassic Reznikov, A. F. "Spilito-Keratophyric Reznikov, A. F. "S





JERZYKOWSKA-KULESZYNA, K.; RENZ-SOLAWA, M.; ZYWICKA-TWAROWSKA, I.

Comparative evaluation of clinical and radiological lung examinations in newborn infants. Pediat pel 36 no.1:5-13 [6].

1. Z I Kliniki Peleznictwa i Chereb Kebiecych A.M. w Peznaniu Kierewnik: dec. dr med. W. Michalkiewicz i z Zakladu Radielegii Lekarskiej A.M. w Peznaniu Kierewnik: dec. dr med. B. Gladysz.

(LUNG DISEASES in inf & child) (INFANT NEWBORN dis)

GAIAS-ZGORZALEWICZ, Bozena; RENZ-SOLAWA, Maria

A case of idiopathic hemosiderosis of the lungs in a 13-year-old boy. Pediat.polska 35 no.1:69-72 Ja '60.

1. Z Oddzialu Chorob Wewnetrznych Wojewodskiego Szpitala Dzieciecego w Poznaniu. Dyrektor Szpitala: dr.med. M. Stabrowski. Ordynator Oddzialu: dr. Z. Majewska-Jezierska (HEMOSIDEROSIS in adolescence)

(LUNG DISEASES in adolescence)

REOK.A.: LAZAR.G.: KOVATS.T.G.

The role of indogenous heparin in the pathomechanism of Shwartzman phenomenon. Acta physicl.hung. 17 no.3:349-354 '60.

1. Institute of Pharmacology, Medical University, Szeged.
(ALLERGY exper)
(HEPARIN blood)

R.OK, Andras, dr.; SZOMBATHY, Zsigmond, dr.

Isolated tuberculosis of the portio vaginalis. Tuberkulozis 15 no.6: 184-186 Je '62.

1. A Borsod megyei Semmelweis Korhaz I. Nogyogyaszati osztalyanak (Foorvos: Nemecskay <sup>T</sup>ivadar dr. egyet. m. tanar) es Prosecturajanak (Foorvos: Sotonyi Gabor dr.) kozlemenye.

(TUBERCULOSIS FEMALE GENITAL statist)

KOVATS, T.G.; LAZAR, G.; RECK, A.; VEGH, P.

Glycoprotein changes in the course of Shwartzman phenomenon.
Acta physiol.hung. 17 no.3:343-348 '60.

1. Institute of Pharmacology, Medical University, Szeged.

(ALLERGY exper)

(GLYCOPROTEINS blood)

KOVATS, Tibor György; REÖK, Andor; LAZAR, György; TAKATS, Istvan

Changes in the total fat, cholesterol, phosphatides and fat depot in Shwartzman phenomenon. Kiserletes Orvostudomany 11 no.6:615-620 D \*59.

1. Szegedi Orvostudomanyi Egyetem Gyogyszertani Intezete.

(ALLERGY exper.)

(FATS metab.)

(CHOLESTEROL metab.)

(PHOSPHOLIPIDS metab.)

KOVATS, Tibor Gyorgy; IAZAR, Gyorgy; REOK, Andor; VEGH, Pal

TERROUTE STATE OF THE PROPERTY OF THE PROPERTY

Glycoprotein changes in Shwartzman phenomenon. Kiserletes Orvostudomany 12 no.1:30-34 P 60.

1. Szegedi Orvostudomanyi Egyetem Gyogyszertani Intezete.
(ALLERGY exper)
(GLYCOPROTEINS blood)

MOGILEVKIN, M.A., inzb.; REOLOGIV, I.I., inzb.

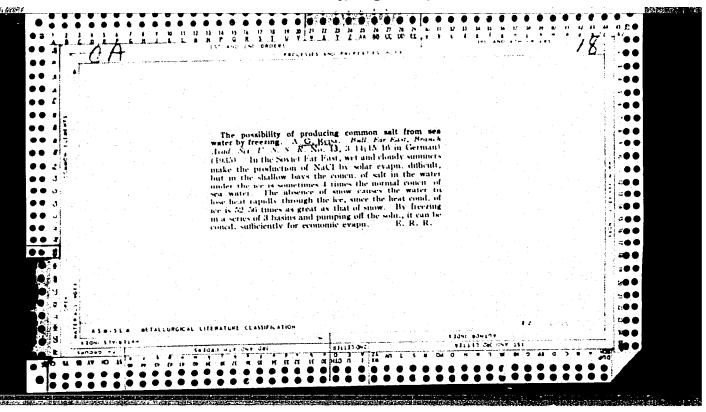
Trailers for transporting large-panel partitions. Trnasp.stroi. 9
no.6:24-25 Je '59.

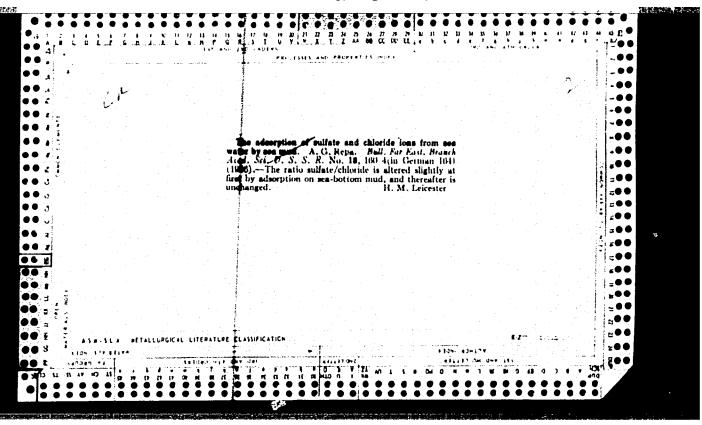
(Concrete panels—Transportation)
(Truck trailers)

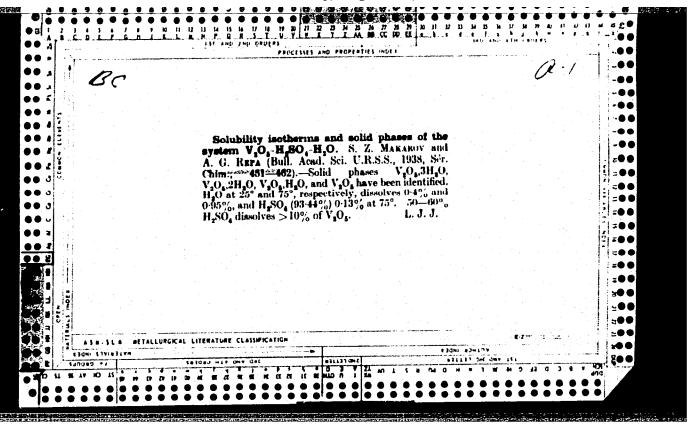
REOUTTE, A.

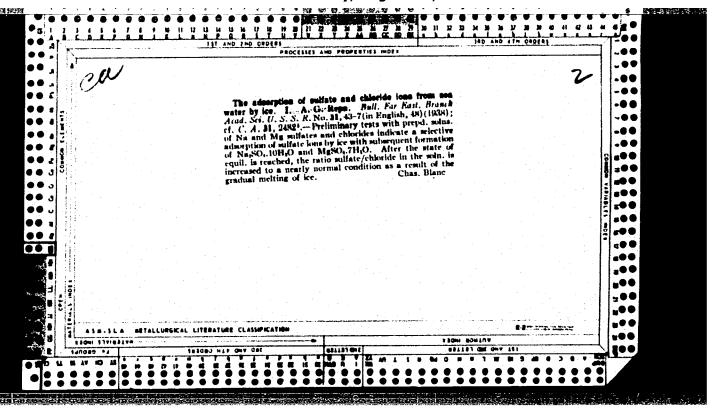
"Composes organosilicies non satures. I. Obtention de l'hexaacetylenesiloxane et du triethoxysilylphenylacetylene". Volnov, J. et Reoutte, A. (p. 1600)

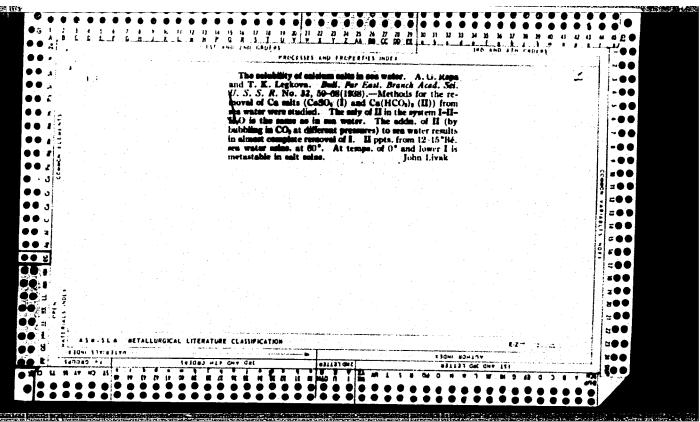
SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1940, Volume 10, no. 17.

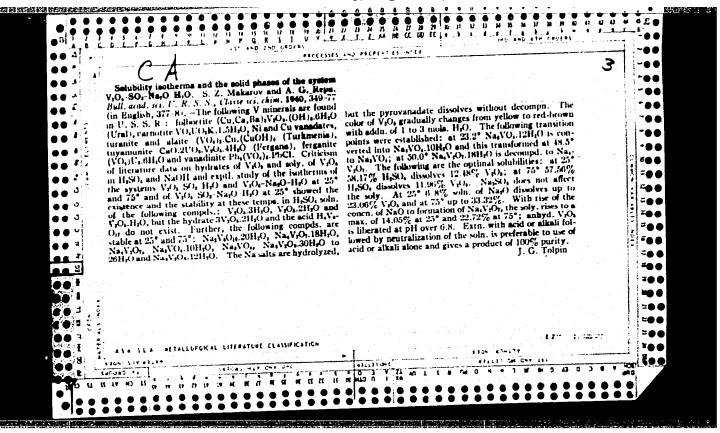






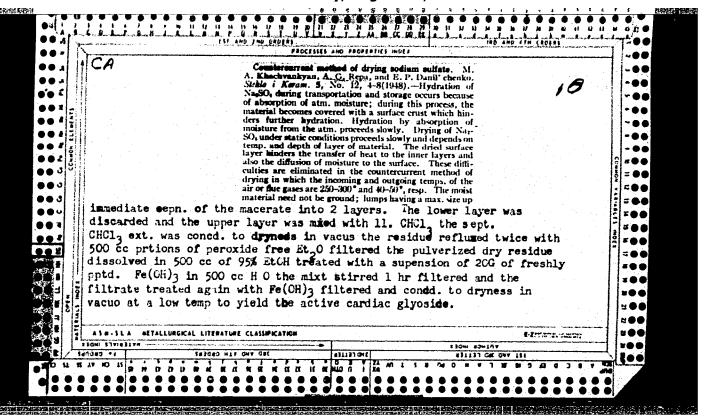


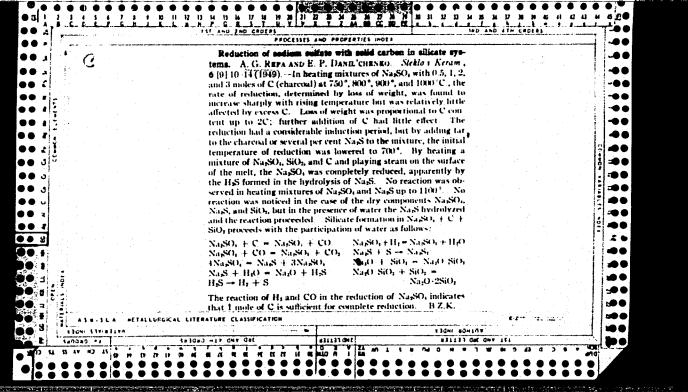


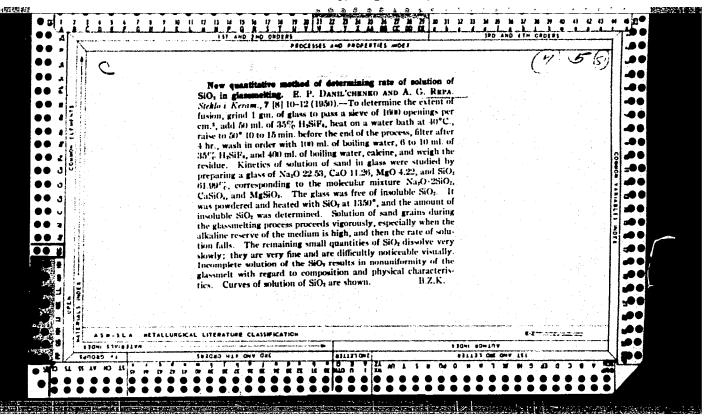


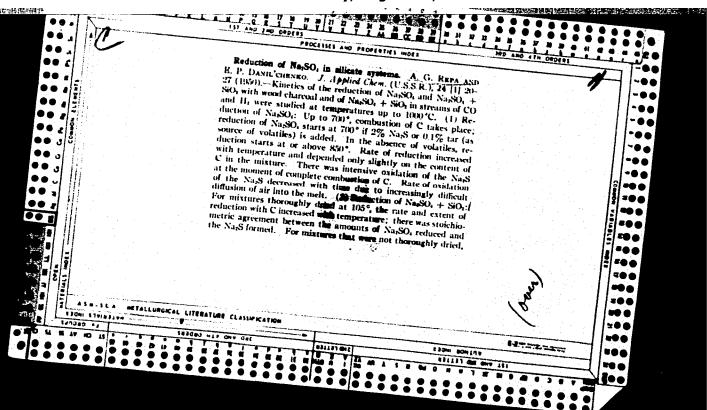
Reps. A. G. - "Thermodicular Pocessing of a multi-to Jurnace mintures" Trudy Tekin. Konftail relation attends. prosesti, Mascow, 1948, p. 170-79.

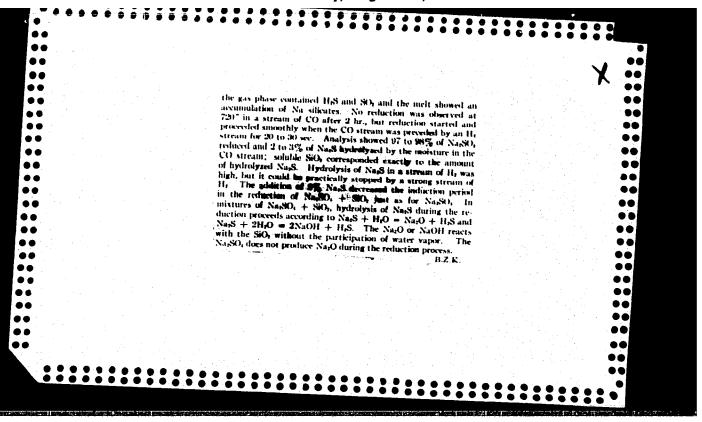
So: U-3690, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 19-9).











Jul 52

A.G. PaPA, E.P. DANILICHANKO

USSP/Chemistry -Silicon Compounds

"Silicate and Glass Formation in the System Na<sub>2</sub>CO<sub>3</sub>-SiO<sub>2</sub>

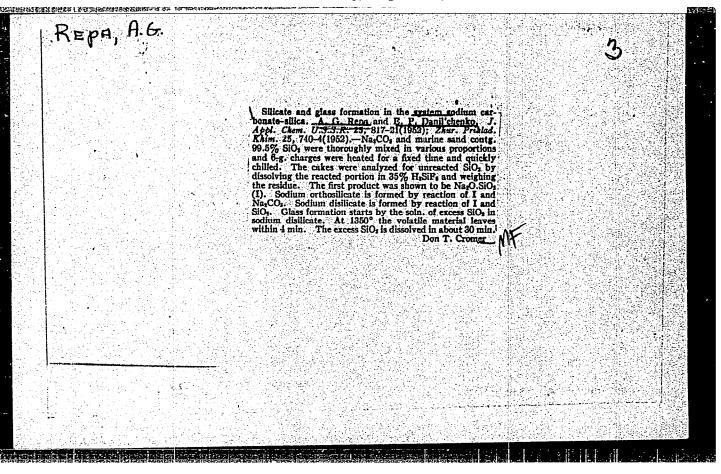
Zhur Prik Khim, Vol 25, No. 7, pp. 740-744

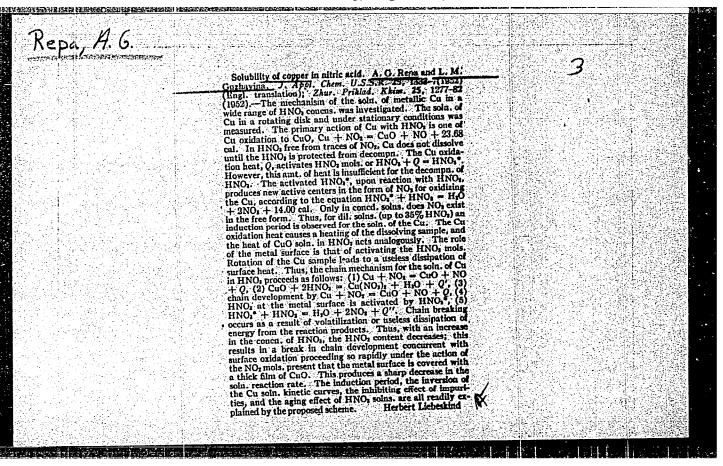
In developing a method for investigating silicate and glass formation in the binary system Na CO<sub>3</sub>-SiO<sub>2</sub>, it was established that the first product of silicate formation is sedium mohosilicate. Sodium orthosilicate, formed with an excess of sodium carbonate, is the product of the reaction etween Na<sub>2</sub>O·SiO<sub>2</sub> and Na<sub>2</sub>CO<sub>3</sub>, whereas the bisilicate is formed by the inter-action of Na<sub>2</sub>O·SiO<sub>2</sub> and SiO<sub>2</sub>. Glass formation is started by the soln of excess sand in sodium bisilicate.

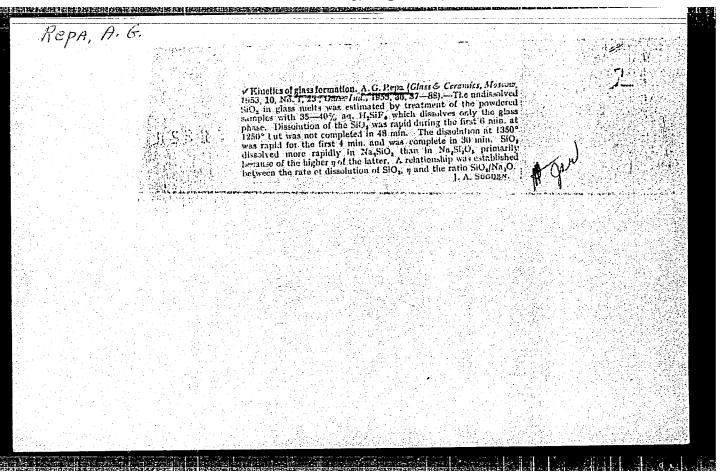
263 T 43

### "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

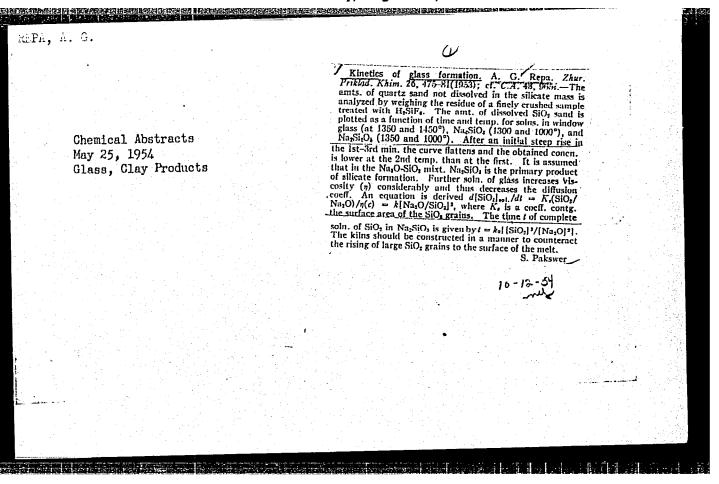


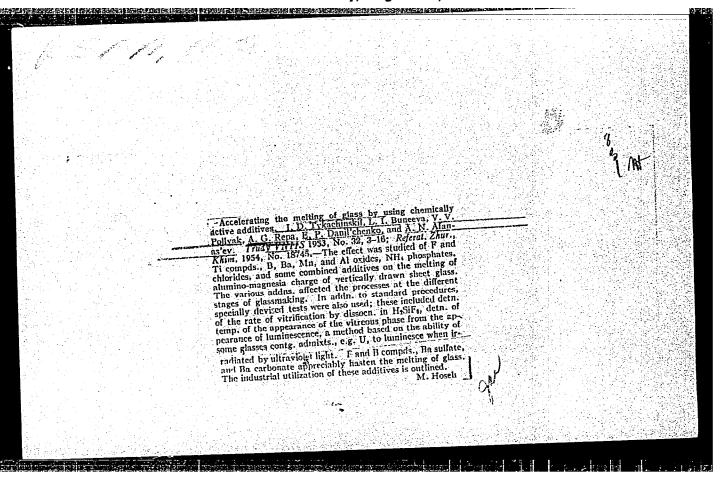




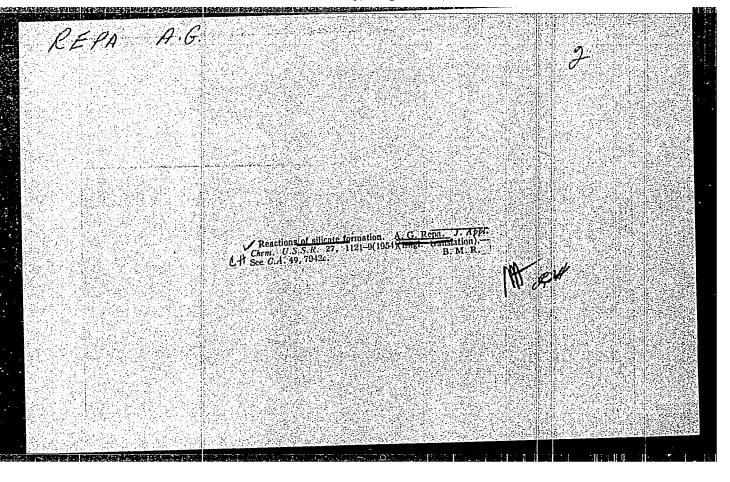
# "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444



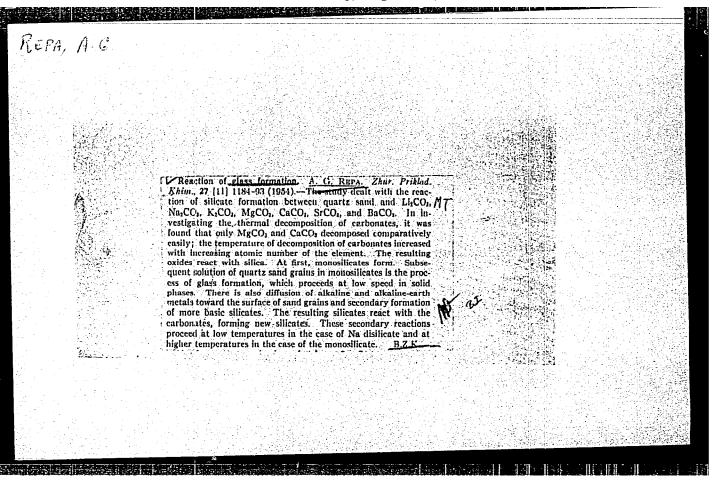


"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444



### "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444



AID P - 3567

Subject

: USSR/Chemistry

Card 1/1

Pub. 152 - 4/20

Author

: Repa, A. G.

Title.

: Oxygen potential of glasses

Periodical

: Zhur. prikl. khim., 28, 7, 694-699, 1955

Abstract

The oxygen potential of glasses may be used as a basis for "composition-characteristic" diagrams for glasses of various compositions. It also may serve as a scientific criterion for replacing one oxide in the glass by another. Four tables, 3 diagrams, 7 references, all Russian (1947-1955).

Institution : None

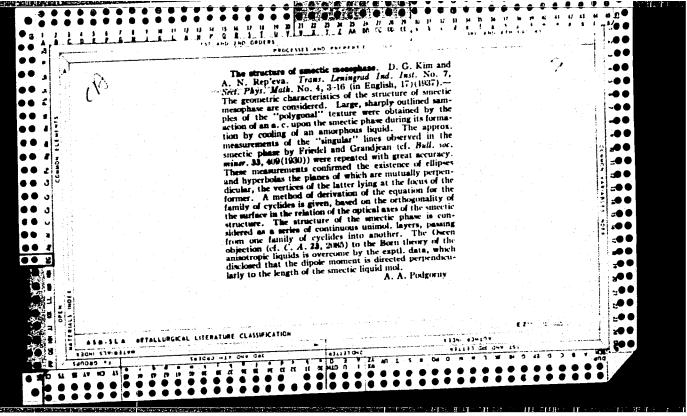
Submitted

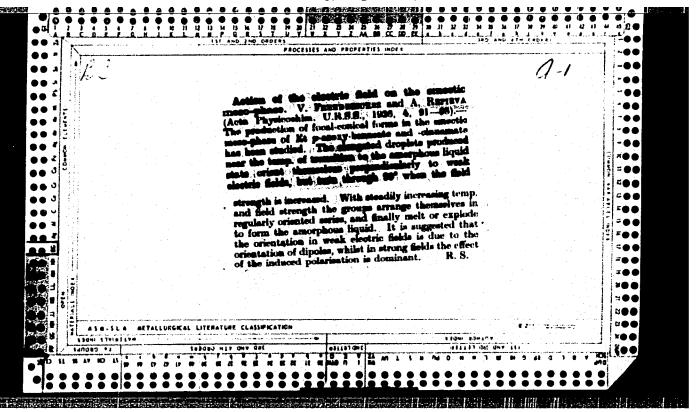
: 0 26, 1953

KUPAT, Jiri, inz.; REPA, Josef

Increasing the output of medium presses. Stroj vyr 13 no.4: 284-285 Ap '65.

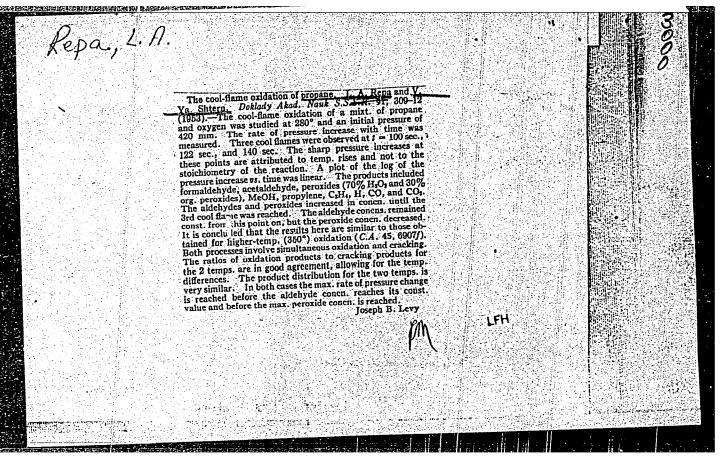
1. Research Institute of Handling of Materials, Prague.





# "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444



REPA, L.A.
USSR/Chemistry

Card 1/1

Authors

Repa, L. A., and Shtern, V. Ya.

Title

: Mechanism of oxidation of hydrocarbons in gaseous phase. Part 5.-

Cold flame oxidation of propane

Periodical

: Zhur. Fiz, Khim. 28, Ed. 3, 414-421, March 1954

Abstract

Investigated was the kinetics, according to pressure and according to products of cold flame oxidation, of a mixture  $C_3H_8+O_2$  at  $T=280^\circ$  and  $p_1=420$  mm (case of three cold flames). A comparison with a previously investigated upper temperature oxidation of upper temperature reactions. All obtained data gave an idea about the insignificant role of the cold flame in the general process of slow oxidation of propane. Eight references. Tables, graphs.

Institution

: The M. V. Lomonosov State University, Moscow, U.S.S.R.

Submitted

April 18, 1953

REPA, V. G.

5602 Repa, V. G. opyt. izgotovleniya stolyarnykh plit v arteli chervonoderevets l'vovskogo oblmebel'promsoyyza. m., koiz, 1954. lls. s chert 20 sm. (tsentr. sovet promysl. kooperatsii sssr. tekhn. upr. obmenprsizvod.—tekhn. opytom. inform. listok. 66). 1,000 ekz. bespl.—avt. ukazan v kontse teksta.—

(54-15082 zh) 674.2

SO: Knizhnaya Letopis', Vo,. 1, 1955

MASALOV, S.A.; REPA, Yu.T., SITNIKOV, E.D.

的复数形式 "我是我们也是是不知识的现在,也是是一个有一个人,我们就是我们的人,我们就是我们,这么是我们的人,他们也不是一个人,他们也不是一个人,他们也不是一个

Diffraction of R-polarized plane electromagnetic wave on a plane grid with a dielectric. Radiotekh. i elektron. 9 no.12:2071-2077 D '64 (MIRA 18:1)

L 178U8-65 EWT(1)/EEC(t)/EEC(b)-2 ASD(a)-5/AFWL/SSD(a)/SSD/ESD(gs)/ESD(t) ACCESSION NR: AP5000445 S/0109/64/009/012/2071/2077

AUTHOR: Masalov, S. A.; Repa, Yu. T.; Sitnikov, E. D.

TITLE: Diffraction of an H-polarized plane electromagnetic wave by a plane

grating with a dielectric

SOURCE: Radiotekhnika i elektronika, v. 9, no. 12, 2071-2077

TOPIC TAGS: diffraction, diffraction grating, plane wave diffraction

ABSTRACT: Diffraction by perfect-conductance rectangular cross-section bars forming a grating or grill, with a dielectric material between them, is theoretically considered. A general solution in the form of two infinite sets of an algebraic equation is given; their unknowns are numerical coefficients in Fourier series. Finite-order sets are isolated and their approximate solutions, obtained on a digital computer, are reported. The problem is solved for a normalincidence case; vector H is oriented along the bars; no limitation is imposed on

Card 1/2

#### "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

L 17848-65

ACCESSION NR: AP5000445

the grill parameters or ratio of the wavelength to the grill period. Transmission coefficients plotted against k = 2 11/1/1 are presented. "The authors wish to thank V. P. Shestopalov for his direction of the work." Orig. art. has: 5 figures and 25 formulas.

ASSOCIATION: none

SUBMITTED: 30Sep63

ENCL: 00

SUB CODE: OP, DP, EM

NO REF SOV: 001

OTHER: 000

Card 2/2

8942-66 EWT(1)/ETC/EPF(n)-2/EWG(m)/EWA(h) IJP(c), AT/JM SOURCE CODE: UR/3137/64/000/074/0001/0008
AUTHOR: Repalov, N. S.; Khizhnyak, N. A.
ORG: Academy of Sciences UkrSSR, Physicotechnical Institute (Akademiya nauk UkrSSR, Fiziko-tekhnicheskiy institut)
21, 44, 5 5  TITLE: Longitudinal oscillations in multivelocity plasmoids
SOURCE: AN UkrSSR. Fiziko-tekhnicheskiy institut. Doklady, no. 074/P-028, 1964. Prodol'nyye kolebaniya v mnogoskorostnom plazmennom puchke, 1-8
TOPIC TAGS: plasmoid, plasma beam, klystron 25
ABSTRACT: Thermal dispersion in klystrons is studied to determine the modulating properties of beam bunching. The appropriate equation of motion and Maxwell's equations are written for the ion and electrons for the collisionless case. By selecting particles within a small velocity interval, moving through modulating grids,
Euler's equation can be written and a non-linear system results. Approximation methods are used to show that initial thermal dispersion introduces a multiplying factor which lowers the value of the current density of the beam. The multiplying factor is determined for the case of a step function distribution. The assumption of a maxwell distribution is also discussed. The multiplying factor is shown to have a meaning of coherence in velocity space and it is determined that its structure is
Gard 1/2

ACC	NR: AT	502231	.3									0
sin Ori	ilar to	the c	ohere 16 e	nce f quati	actor	for the	intera	cting	spatially	distribute	d beams	•
SUE	CODE:	20/		SUBM	DATE:	00/	ORIG	REF:	005/	OTH REF:	000	
*												
. !												
			:									
6	00			e e e								

	*
<u>L 16930-66</u> EWT(1)/T IJP(c) ACC NR: AT6002496 SOURCE CODE: UR/3137/64/000/070/0001/0013	
AUTHOR: Sinel'nikov, K.D.; Khizhnyak, N.A.; Repalov, N.S.; Zeydlits, P.M.; Yamnitskiy, V.A.; Azoyskaya, Z.A.	
ORG: none	
TITLE: <u>Injection of particles</u> through an acute-angled magnetic trap into a mirror trap with increasing fields of the mirrors	
SOURCE: AN UkrSSR. Fiziko-tekhnicheskiv institut. Doklady, no. 70, 1964. Inzhektsiya chastits v zerkal'nuyu lovushku s narastayushchim polem v probkakh cherez magnitnuyu lovushku ostrougol'noy geometrii, 1-13	
TOPIC TAGS: magnetic mirror machine, particle trapping, magnetic trap, computer colculation, charged particle	
ABSTRACT: The authors investigate the passage of charged particles injected through an end slit parallel to the axis of the magnetic field through an acute-angled magnetic trap. 2/1 A general introduction of magnetic mirror effect is followed by a theoretical study of the effect of acute-angled field geometry on the eccentricity of particles passing through the	<b>1</b>
effect of acute-angled field geometry on the eccentricity of particles passing zero field plane, and the filling of an increasing field mirror trap by particles passing Card 1/2.	
Caru 1/2.	

	- <b>17</b>			
L 16930-66	والعام محمد عدا مدينها المعلق التاريخ			
CC NR: AT600249				
rith large and small nd 2) the results of lectronic computer	the numerical ca Curves present	ine particle rotation local actions of the tracket depict the converted final radius r	conditions for the pass on center from the ma cap filling carried out ersion of longitudinal tio, and as a function	on the UMShN into transverse of the initial
e method for parti ith higher field ha	particle trapping cle trapping presonnics are not s	ented is technologi tudied. Orig. art.	cally feasible. Acute has: 21 formulas an	- cettilization amonths.
ne method for parti ith higher field ha	particle trapping cle trapping presonnics are not s	ented is technologi tudied. Orig. art.	cally feasible. Acute has: 21 formulas an	d 8 figures.
ne method for parti with higher field han	particle trapping cle trapping presonnics are not s	ented is technologi tudied. Orig. art.	cally feasible. Acute has: 21 formulas an	d 8 figures.
	particle trapping cle trapping presonnics are not s	ented is technologi tudied. Orig. art.	cally feasible. Acute has: 21 formulas an	d 8 figures.
e method for parti ith higher field ha	particle trapping cle trapping presonnics are not s	ented is technologi tudied. Orig. art.	cally feasible. Acute has: 21 formulas an	d 8 figures.
ne method for parti with higher field han	particle trapping cle trapping presonnics are not s	ented is technologi tudied. Orig. art.	cally feasible. Acute has: 21 formulas an	d 8 figures.
ne method for parti ith higher field ha	particle trapping cle trapping presonnics are not s	ented is technologi tudied. Orig. art.	cally feasible. Acute has: 21 formulas an	d 8 figures.
ne method for parti with higher field han	particle trapping cle trapping presonnics are not s	ented is technologi tudied. Orig. art.	cally feasible. Acute has: 21 formulas an	d 8 figures.

AT/GS EPF(n)-2/EWT(l)/ETC(f)/EWG(m) IJP(c) L 23580-66 EPF( ACC NR: AT6008838 UR/0000/65/000/000/0005/0018 SOURCE CODE: AUTHOR: Sinel'nikov, K. D.; Khizhnyak, N. A.; Yamnitskiy, V. A.; Azovskaya, Z. A. ORG: none TITLE: Injection of particles into a mirror trap with an increasing field through a magnetic cusp configuration SOURCE: AN UkrSSR. Magnitnyye lovushki (Magnetic traps). Kiev, Naukova dumka, 1965, 5-18 trap, plasma injection, particle trajectory, monatic runor TOPIC TAGS: ABSTRACT: The behavior of a plasma in a magnetic mirror trap formed by particles injected through a cusp configuration is studied. The particles selected for investigation are those which at injection have curvature radius of less than 71% of the Larmor radius, i. e. those which proceed without reflection into the magnetic mirror region. The eccentricity of the particle trajectory (passing through the zero field plane) due to the cusp configuration is analyzed. Two competing processes become evident; one tends to establish an E-layer as in the Astron machines and another tends to fill the axial region of the mirror trap. The analysis is further extended to determine the accumulation in the magnetic mirror trap of particles passing through a Card 1/2

mooth cus	p field	having onl	y a zeroth ha	rmonic. The	conversion	on of longitu	dinal ener	
y into tr	ansverse	particle	energy is det	ermined as a tic axis. Th	e number	of particles	trapped	
ndicates	that con	struction	of an experim	ental machine is estimated	that a	field with hi	gh harmon-	<b>°</b>
a compone	nts woul	d trap par	ticles with D	roader initie	l veloci	ty and inject	ion angle	
arameters	. Orig.		7 figures,			OWN DEED	000	
UB CODE:	20/	SUBM DATE	: 200ct65/	ORIG REF:	002/	OTH REF:	000	
•								
		and the second second						
								1.0

ACC NR; AT6020450 (//)

SOURCE CODE: UR/0000/65/000/000/0186/0195

AUTHOR: Repalov, N. S.; Khizhnyak, N. A.

EWI (1)

63

B+1

ORG: none

04833-67

TITLE: Longitudinal oscillations in multivelocity plasma beam

SOURCE: AN UkrSSR. Vzaimodeystviye puchkov zaryazhennykh chastits s plazmoy (Interaction of charged particle beams with plasma). Kiev, Naukova dumka, 1965, 186-195

TOPIC TAGS: plasma beam, motion equation, Euler equation, harmonic analysis, Debye length

ABSTRACT: One-dimensional oscillations in a compensated plasma beam with an arbitrary distribution function is studied. The equations of motion and fields and written for a collisionless plasma with a set of electrons traversing modulating grids. The ions are treated as a background charge compensating for the space charge. It is shown that the system can be described more simply by use of the Euler equation when the electron velocity spread is small. The equations are solved by an indirect method which is an extension of Bogolyubov's method, using Lagrange variables. This approach, described in considerable detail, leads to an expression for corrections to the initial current and density harmonics. The latter turn out to be coherence factors. This approach is applied to an example of Maxwellian distribution, where the coherence factors in the

Card 1/2

#### "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

L 04832-67 EWT(1) IJF(c) AT/GD ACC NR: AT6020451 ( ) SOURCE CODE: UR/0000/65/000/000/0195/0203

AUTHOR: Repalov, N. S.; Khizhnyak, N. A.

64 B+1.

ORG: none

TITLE: Resonance propagation of an electron beam in a medium with a layered dielectric

SOURCE: AN UkrSSR. Vzaimodeystviye puchkov zaryazhennykh chastits s plazmoy (Interaction of charged particle beams with plasma). Kiev, Naukova dumka, 1965, 195-203

TOPIC TAGS: charged particle, electron beam, Lagrange equation, space charge

ABSTRACT: The demodulating mechanism of the space charge on the beam moving through a medium with a layered structure is investigated. The problem is treated in the hydrodynamic approximation. It is further assumed that the dielectric is transparent with respect to the beam particles and produces no dispersion. The dielectric boundaries are normal to the beam. The static fluctuations of beam electrons are compensated by an ion background moving with constant velocity. The motion is described in Lagrangian coordinates. The nonlinear nature of the equation permits only the consideration of the case of an infinitesimal modulation amplitude. Bogolyubov's method is employed to clarify the effect of nonlinearities in the case of the medium with one change in the dielectric constant (two-layer dielectric). It is found that resonance effects under some conditions lead to an unstable increase in the modulating amplitude. The restric-

Card 1/2

tion of the problem to the region near the instability simplifies the equa consideration. This solution reduces to that for beam bunching in klystrc is assumed that both dielectric layers have the same dielectric constant. has: 2 figures, 19 formulas.  SUB CODE: 20/ SUBM DATE: 11Nov65/ ORIG REF: 005/ OTH REF:	ns where it Orig. art.	
	001	,
SUB CODE: 20/ SUBM DATE: 11Nov65/ ORIG REF: 005/ OTH REF:	001	
	001	
		1
	•	
		-
		-

L 31285-65 EWT(d)/EWT(1)/EEC(b)-2/EWA(h) Pn-4/Pac-4/Peb/Pi-4/Pj-4

ACCESSION NR: AP5005348 S/0109/65/010/002/0334/0340

AUTHOR: Repalov, N. S.; Khizhnyak, N. A.

TITLE: Propagation of modulated beams in periodic media

SOURCE: Radiotekhnika i elektronika, v. 10, no. 2, 1965, 334-340

TOPIC TAGS: electron beam, klystron

ABSTRACT: A single-variable problem of the interaction of a field-compensated electron beam with a laminated dielectric whose boundaries are normal to the beam is considered. A dispersion equation describing the motion of the modulated beam is set up and solved in a hydrodynamic approximation. It is demonstrated that, under certain conditions, a constant-density-and-velocity beam may become unstable, and small fluctuations of the density and velocity may propagate with increasing amplitudes. Formulas for the current density under resonance conditions are developed; the excitation of fairly high current-density waves by a

Cord 1/2

L 31285-65		
ACCESSION NR: AP5005348	3	7
using the above mechanism is dystron buncher is consider or his useful comments. If	for compensating the spread. "The authors wish	to thank A. A. Akmentyn'sh
ASSOCIATION: none		
UBMITTED: 02Jan64	ENCL: 00	SUB CODE: EC, M
NO REF SOV: 005	OTHER: 003	
NO REF SOV: 005	OTHER: 003	
NO REF SOV: 005	OTHER: 003	
NO REF SOV: 005	OTHER: 003	

L 18840-66 EWT(1) IJP(c) GS

ACC NR: AT5028589 SOURCE CODE: UR/0000/65/000/000/0388/0402

AUTHOR: Sinel'nikov, K. D. (Academician AN UkrSSR); Khizhnyak, N. A.; Repalov,

N. S.; Zeydlits, P. M.; Yamnitskiy, V. A.; Azovskaya, Z. A.

ORG: none

Z1、中央5

SOURCE: Konferentsiya po fizike plazmy i problemam upravlyayemogo termoyadernogo sinteza. 4th, Kharkov, 1963. Fizika plazmy i problemy upravlyayemogo termoyadernogo sinteza (Physics of plasma and problems of controllable thermonuclear synthesis); doklady konferentsii, no. 4. Kiev, Naukova dumka, 1965, 388-402

TOPIC TAGS: magnetic trap, relativistic particle, plasma charged particle, particle trajectory, particle motion, magnetic field

ABSTRACT: The properties of charged particle motion in magnetic traps of the "picket fence" and "magnetic wall" (with negative field curvature) types are considered and their trajectories determined by numerical integrations. The traps are characterized by axial symmetry and small angles between field lines. The analytical form of the fields is described by the expansion of the scalar magnetic potential

Card 1/2

RANGER FERNING WEITEN BEINGER GEWEITEN WEITEN WEITE

L 18840466

ACC NR: AT5028589

in Bessel functions, retaining the first term only. Since both curl and divergence of the field within magnetic coils vanish, the magnetic intensity for "picket fence" traps (easily generalized to other geometries) is determined and analytical expressions are derived for two extreme cases of extended and compressed traps. A method for determining the fields in the throat area of the trap of a given radius is also given. Application of the Lagrangian and Hamiltonian of the charged particle motion and the utilization of the cyclic azimuthal coordinate of axisymmetric fields leads to derivation of a potential in which a particle moves and determines the extent of regions of particle confinement. It is found that there always exists a region through which particles can escape. The escape criteria and a classification of transmitted and reflected particles in which the gyroradius of the particles, and hence mass, play a strong role are presented. Additional classification relative to the initial particle parameters is also discussed. In particular, it is shown that the behavior of particles injected in a direction opposite to the system axis is similar to that of those injected parallel to the axis, excepting that the initial radial separation of the former from the axis is greater. Representative trajectories are graphed. The discussion is further generalized to the relativistic particles for which presently realizable magnetic confinement schemes require very strong fields. Orig. art. has: 17 figures, 34 formulas.

SUB CODE: 20/ SUBM DATE: 20May65/ ORIG REF: 002/ OTH REF: 002

Card 2/2 Vmb

L 22422-66 EWT(1)/EPF(n)-2/EWG(m) IJP(c) AT

or and the contraction of the property of the

ACCESSION NR: AP6006758

SOURCE CODE: UR/0185/66/011/001/0012/0019

AUTHORS: Repalov, M. S. (Repalov, N. S.)

ORG: Physicotechnical Institute AN UkrSSR (Fiziko-tekhnichnyy instytut AN URSR)

TITLE: The nonlinear theory of a plasma beam in a periodic structure

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 1, 1966, 12-19

TOPIC TAGS: plasma beam, plasma instability, nonlinear plasma, dielectric waveguide, plasma resonance, plasma oscillation

ABSTRACT: The author considers the propagation of a velocity-modulated beam in a periodic structure consisting of alternating dielectric layers with different dielectric permittivities and different thickness (a and b). It is found that for a given relation between the beam parameters and the periodic structure the state of the beam of some constant density and velocity becomes unstable and arbitrarily small perturbations propagate in such a system with amplitudes which become finite and independent of the initial modulation. This instability is due to the resonance interaction of the plasma oscillations of the beam electrons and the electrostatic wave due to these oscillations. The resonance conditions and the width of the re-

Card 1/2

L 22422-66					
ACCESSION NR: A	P6006758				1
	re obtained for a =				
is obtained for	the resonance region found. At resonance	n, and the time	of establishme	nt of the ste	eady-
expression is de	rived for the curren	nt density, and	the possibilit	v is consider	ed of
using resonance	effects in a period	ic structure for	compensation	of the defocu	sing
effect of space and a number of	charges. The author valuable hints. Or:	r thanks <u>M. A. l</u>	hyzhnyak for c	onstant inter	rest
		ig. art. ias.	. IIgure and Is	IVINKLES.	•
CITE CODE. 20/	SUBM DATE: 11Feb65/	ORIG REF: 00	16/		
30D CODE: 207					ring in the latest
305 CODE: 207					
JUD CODE: 20/					
SUB CODE. 207					
SUB CODE. 207					
SUB CODE. 207					
SUB CODE. 207					
SUB CODE. 201					
SUB CODE. 207					

## "APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

1 23105-66 EVT(1)/FTC(f)/EPF(n)-2/EVO(m) I.P(c) AT

AP6007067

UR/0057/66/036/002/0219/0224

AUTHOR: Repalov, N.S.

ORG: None

ACC NRI

TITLE: On the theory of the excitation of ionic plasma oscillations by electronic

Langmuir waves

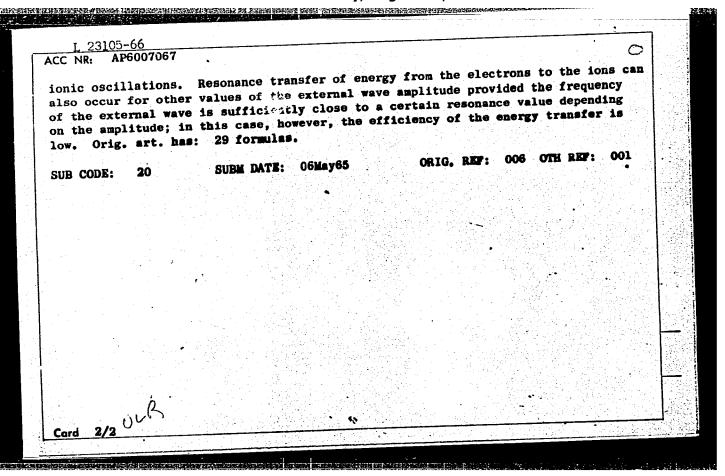
SOUSCE: Ehurnal tekhnicheskoy fiziki, v. 36, no. 2, 1966, 219-224

TOPIC TAGS: plasma electromagnetic wave, plasma electrom oscillation, plasma iom oscillation, nonlinear plasma,

ABSTRACT: In this paper there is presented an attempt to account for the known excitation of low frequency ionic oscillations in a plasma by high frequency electronic plasma waves. The one-dimensional oscillations of the plasma electrons excited by a low-amplitude longitudinal traveling electromagnetic wave are treated in a "small nonlinearity" approximation by a technique of Bogolyubov with the ion motions neglected. The low frequency motions of the ions excited by the electron oscillations are then calculated after first averaging out the high frequency ion motions. It is shown that when the frequency of the external wave is close to a harmonic of the electron Langmuir frequency and the amplitude of the wave is close to one of a discrete set of resonance" values, there develop beats that can excite low frequency

Card 1/2

UDC: 533.9



RHA	K, F.	
	Turning over daily receipts without a cashier. Avt.transp. 39 no.10:51 0 '61. (SaranskMotorbus linesManagement)	
		1 - 1 - 12 :

Problems of potato production and consumption in Yugolsavia. r. 111.

MCVA PROLAVCOMA. (Zvenma drustev inzenirjev in term of IRS)

Ljubljana. Vol. 7, no. 2, Apr. 1956.

SCURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 5, no. 12, December 1956

REPAS, A.; BOSKOVIC, B.; DEZELIC, M.

On the hypnotic effect of helicine-berbiturates and tetraacetylsalicin-barbiturates. Bul sc Youg 8 no. 1/2: 1-2 F-Ap '63.

- 1. Farmakoloski institut Medicinskog fakulteta univerzitet Sarajevo.
- 2. Clan Redakcionog odbora, "Bulletin scientifique" (for Dezelic).

DEZELIC, Mladen, dr.; REPAS A.

Gondensation products of helicin. Pt.5. Glasnik hemicara HiH 11:5-11 62.

(1) 大学元子 (2) 193 (1) 194 (1) 195 (1)

Some combinations of tetraacetylsalicin with barbiturates. 13-17.

- 1. Laboratorij za organsku hemiju i biohemiju, Hemijski institut Prirodno-matematickog fakulteta u Sarajevu.

  2. Redacteur en chef, "Glasnik Drustva hemisara i tehnologa
- SR Bosnoe i Hercegovine" (for Demelic.

DEZELIC, Miaden, dr. radovni profesor (Sarajevo, Jug Bogdanova 7); REPAS, Anica; delent

Glucosides in the bank and leaves of Populus tremula. Tehnika Jug
19 no.6: Suppi: Hemindustrija 18 no.6: 1124-1126 Je 164.

1. Papulty of Natural Sciences and Mathematics, University
of Sarajevo, Carajevo.

DEZELIC, Mladen, dr.; GRUJIC-VASIC, J.; REPAS. A.

Metallic salts of esculin and fraxin, and salts of their aglycons. Glasnik hemicara BiH 11:25-30 '62.

Burners de la martina extensión de la company de la compan

- 1. Hemijski institut, Medicinski fakultet, Univerzitet, Sarajevo.
- 2. Redacteur en chef, "Glasnik Drustva hemicara i tehnologa SR Bosne i Hercegovine" (for Dezelic).

VARGA, Karoly; REPAS, Laszlo

Experiences with radiographic tests in foundries. Koh lap:Supple:
Ontode 14 no.8:185-191 Ag 163.

1. Orszagos Atomenergia Bizottsag Izotop Intezete.

50jiy6

5,3600

Z/009/60/010/05/005/040 **B**112/**B**153

AUTHORS: M. Repás and J. Pschera

Preparation of Anhydrous Ethylene Chlorhydrine TITLE:

PERIODICAL: Chemický Průmysl, Vol 10, 1960, Nr 5, pp 238-240

ABSTRACT: The authors present a study of the laboratory preparation of anhydrous ethylene chlorhydrine from ethylene oxide and hydrochloric acid. They have adopted the preparation in the liquid phase and used ethylene chlorhydrine, the final reaction product as solvent, utilising the good solubility of HCl in that medium. They have studied the effect of temperature and concentration of reactants on the conversion of ethylene oxide and the formation of byproducts. For the study of temperature effects on yields, equimolar ratios of ethylene oxide and HCl were chosen. It was seen that a 92.5% conversion was obtained at 30 °C. At higher temperatures yields of ethylene chlorhydrine decreases rapidly while the formation of byproducts increases. Results of this series of experiments are summarized in graphs. Another series of experiments included the effect of varying proportions of reactants on yields. An excess of HCl suppresses tha formation of hyproducts, equilibrium being reached at

Card 1/2

80376

Z/009/60/010/05/005/040

E112/E153

Preparation of Anhydrous Ethylene Chlorhydrine

50% excess. An excess of ethylene oxide, on the other hand, enhances byproduct formation, according to equation

 $C1 - CH_2 - CH_2 - 0 - CH_2 - CH_2 - 0H$ 

The authors have also studied the effect of batch sizes on yields and the effect of refrigeration arrangements on the efficiency of conversion.

Card 2/2 There are 4 figures and 5 references, of which 2 are English, 1 French, 1 German and 1 Gzech.

ASSOCIATION: Výzkumný ústav pre petrochemiu, Nováky

(Research Institute for Petrocarbon Chemistry, Nováky)

SUBMITTED: October 12, 1959

\$/081/63/000/002/050/088 B171/B102

AUTHORS:

Repás, Milan, Mistrík, Edmund Juraj, Pschera, Jiří

TITLE:

Liquid- phase-method and plant for continuous preparation of ethylene chlorohydrin from ethylene oxide and hydrogen chloride

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 2, 1963, 401, abstract

2N23 (Czechosl. patent 100737, Aug. 15, 1961)

TEXT: A patent has been granted for the preparation of concentrated (95-100%) ethylene chlorohydrin (I). Ethylene oxide (II) and HCl are fed through perforated pipes or ceramic bubblers into a cylindrical reactor (RT), filled with a liquid which, although miscible with I and solvent of II and HCl, does not react with any of these substances. Raw materials are fed at the rate of 100-1000 l/hr per 1 l of RT capacity, at a temperature from -30 to 100°C (preferably ~70°C), using 1.005-1.01 mole of HCl to 1 mole of II. The incoming minute bubbles of II and HCl vigorously react to form I. The mixture, warmed by the heat of the reaction, is water-cooled in a thermo-siphon and returned into the RT. The